

Amendments to the Claims:

This listing of claims, in which claims **6, 7, 18, 22, 25** and **28** are amended and claims **31-35** are newly added, will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1 **Claim 1** (original): A device for visually inspecting optical component comprising:
2 a borescope, said borescope having a borescope insertion tube and an optical lens
3 for viewing a target; and
4 borescope insertion tube adapter for adapting the borescope insertion tube to an
5 optical component to be inspected.
- 1 **Claim 2** (original): The device recited in claim 1 above, wherein the borescope insertion
2 tube adapter further comprises:
3 an adapter body, said adapter body being compatible for mating with the optical
4 component to be inspected.
- 1 **Claim 3** (original): The device recited in claim 2 above, wherein the borescope insertion
2 tube adapter secures the borescope insertion tube at a predetermined position
3 within the adapter body.
- 1 **Claim 4** (original): The device recited in claim 2 above, wherein the predetermined
2 position within the adapter body is within an effective focal distance for the
3 borescope.

1 **Claim 5** (original): The device recited in claim 2 above, wherein the borescope insertion
2 tube adapter further comprises:
3 a protective sleeve disposed between said borescope insertion tube and said
4 adapter body.

1 **Claim 6** (currently amended): The device recited in claim 5 above, wherein the
2 protective sleeve further comprises:
3 a lock ~~of~~ **for** securing the protective sleeve to the borescope insertion tube.

1 **Claim 7** (currently amended): The device recited in claim 2 above, wherein the adapter
2 body is one of ~~an~~ SC, ST, FC, E2000, LC, LX, MU, MT ~~components type~~
3 **component types**.

1 **Claim 8** (original): The device recited in claim 2 above, wherein the adapter body
2 cooperates with a shutter on the optical component to be inspected.

1 **Claim 9** (original): The device recited in claim 2 above, wherein the adapter body
2 cooperates automatically actuating a shutter on the optical component to be
3 inspected simultaneously during insertion to said optical component to be
4 inspected.

1 **Claim 10** (original): The device recited in claim 2 above, wherein the borescope further
2 comprises:
3 a video camera for capturing images of a target on the optical component to be
4 inspected.

1 **Claim 11** (original): The device recited in claim 6 above, wherein the borescope further
2 comprises:
3 a video camera for capturing images of a target on the optical component to be
4 inspected.

1 **Claim 12** (original): The device recited in claim 2 above, wherein the borescope further
2 comprises:
3 a light emitter for illuminating a target on the optical component to be inspected.

1 **Claim 13** (original): The device recited in claim 11 above, wherein the borescope further
2 comprises:
3 a monitor for displaying images of the target on the optical component to be
4 inspected.

1 **Claim 14** (original): The device recited in claim 2 above, wherein the adapter body is
2 configured such that said borescope insertion tube adapter is maneuverable while
3 mated with the optical component to be inspected, whereby the position of the
4 optical lens is adjustable.

1 **Claim 15** (original): The device recited in claim 2 above, wherein the optical component
2 to be inspected is one of a MU, MT, LC and LX type configured on a high density
3 optical port.

1 **Claim 16** (original): A method for implementing a borescope for visually inspecting
2 optical component, said borescope having a borescope insertion tube coupled to
3 an adapter body and an optical lens received therein, said optical lens for viewing
4 a target portion on an optical component comprising:
5 engaging the adapter body to the optical component with the target portion to be
6 inspected; and
7 visualizing the target portion of said optical component through said borescope.

1 **Claim 17** (original): The method recited in claim 16 above, wherein engaging the
2 borescope insertion tube adapter to the optical component further comprises
3 coupling the borescope insertion tube adapter to the optical component.

1 **Claim 18** (currently amended): The method recited in claim 17 above, wherein prior to
2 inserting the borescope insertion tube adapter into the optical component, the
3 method further comprises:
4 securing the adapter body to the borescope insertion tube at a predetermined
5 position within the adapter body; [,]and
6 securing the borescope insertion tube at a predetermined position within the
7 adapter body.

1 **Claim 19** (original): The method recited in claim 17 above, wherein the predetermined
2 position within the adapter body is within an effective focal distance for the
3 borescope.

1 **Claim 20** (original): The method recited in claim 17 above further comprises:
2 disposing a protective sleeve between said borescope insertion tube and said
3 adapter body.

1 **Claim 21** (original): The method recited in claim 20 above further comprises:
2 locking the protective sleeve to the borescope insertion tube.

1 **Claim 22** (currently amended): The method recited in claim 17 above, wherein the
2 adapter body is one of ~~an~~ SC, ST, FC, E2000, LC, LX, MU, MT ~~components~~
3 **type component types**.

1 **Claim 23** (original): The method recited in claim 17 above, wherein coupling the
2 borescope insertion tube adapter to the optical component further comprises:
3 operating a shutter on the optical component to be inspected.

1 **Claim 24** (original): The method recited in claim 23 above, wherein operating a shutter
2 on the optical component to be inspected further comprises:
3 actuating a shutter on the optical component to be inspected simultaneously
4 during insertion to said optical component to be inspected.

1 **Claim 25** (currently amended): The method recited in claim 17 above further comprises:
2 capturing images of the target portion of said optical component to be inspected.

1 **Claim 26** (original): The method recited in claim 21 above, wherein the borescope
2 further comprises:
3 a video camera for capturing images of a target on the optical component to be
4 inspected.

1 **Claim 27** (original): The device recited in claim 17 above further comprises:
2 illuminating the target portion of said optical component to be inspected.

1 **Claim 28** (currently amended): The method recited in claim 26 above further comprises:
2 viewing an image [images] of the target portion of the optical component to be
3 inspected.

1 **Claim 29** (original): The method recited in claim 17 further comprises:
2 maneuvering the adapter body while engaged with the optical component to be
3 inspected.

1 **Claim 30** (original): The method recited in claim 17 above, wherein the optical
2 component to be inspected is one of a MU, MT, LC and LX type configured on a
3 high density optical port.

1 **Claim 31** (new): The device recited in claim 2 above, the adapter body having an
2 exterior body dimension and the optical component to be inspected having an
3 interior component dimension, wherein an annular space is formed between the
4 adapter body and the optical component, a magnitude of said annular space being
5 approximately equivalent to the difference between the exterior body dimension
6 and the interior component dimension.

1 **Claim 32** (new): The device recited in claim 31 above, the magnitude of said annular
2 space being sufficient for manipulating the adapter body within the optical
3 component, thereby redirecting a viewing axis onto multiple targets.

1 **Claim 33** (new): The device recited in claim 32 above, wherein the optical component is
2 a matrix adapter and the target portion and the second target portion are first and
3 second optical fibers in a plurality of optical fibers connected to said matrix
4 adapter.

5 **Claim 34** (new): The method recited in claim 16 above, the adapter body having an
6 exterior body dimension and the optical component to be inspected having an
7 interior component dimension, wherein an annular space is formed between the
8 adapter body and the optical component, a magnitude of said annular space being
9 approximately equivalent to the difference between the exterior body dimension
10 and the interior component dimension, the method further comprising:
11 visualizing a second target portion by manipulating the adapter body within the
12 optical component, thereby redirecting a viewing axis onto the second target
13 portion.

1 **Claim 35** (new): The method recited in claim 34 above, wherein the optical component
2 is a matrix adapter and the target portion and the second target portion are first
3 and second optical fibers in a plurality of optical fibers connected to said matrix
4 adapter.